ANALYTICAL DATA SHEET ANALYTICAL DEPT. - HEALTH AND SAFETY DIVISION

VA.5 NO 9846 OUTPLANT AIR DUST

Industrial Hygiene or Medical Dept.						Analytical Chemistry Section:				
1. H.# 1049 Sample Nos. 5 Date Collected 7/19 by AIS Route to AIS Location NORFOLK NAVAL STATION Type of Sample air dust Analyzed for F Alphaco Remarks Samples collected during the demonstration of a uranium U Beta turning fire. Men below took part in extinguishing the fire. No. Ra						Method of Analysis Alpha sointillation				
All wore	Comfo ty	ype respirators and extinguished the fire	from O	oil	pH Th	Counting			42%	
an upwin	d positio)II.	B	e	, n	BKGD	ero o/min	GEO_		
Sample No.	Hour	Sample Description	R	T	P	Count	Time	C/min	_d/m/u ³	
331	1400	BZ Welch extinguishing a uranium fire	.02	1.75	.035	3	15	0.07	7	
		with water from a distance of 15 ft.	-							
330	1400	upwind. BZ Murray extinguishing a uranium fire	.02	1,5	.03	0	15	n.d.	n.d.	
	<u> </u>	with water from a distance of 15 ft. upwind.								
329	1415	BZ Radcliffe shoveling burning uranium	.02	2,75	.055	52	1.58	23.06	1426	
328	1440	BZ Dale extinguishing a uranium fire	.02	1,1	.022	2	16	n.d.	n.d.	
		with water from a distance of 25 ft. upwind.	-							
327	1500	BZ Murray shoveling burning uranium	.02	7	.14	26	15	1.60	39	
		turnings into a drum of water.								
					<u> </u>		·			

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Industrial Hygiene or Medical Dept.						Analytical Chemistry Section:				
I. H.# 1050 Location NORPO Remarks Shielas the area	OLK NAVAL rs were t where th s resulti	Date Collected 7/20 by AJS STATION Type of Sample smear Analyzed aken of the wall of a concrete building ne e uranium fire was demonstrated. The smoke ng from the fire went in the direction of	l for F ar U	0 ₃	AJS Alphaxx Beta Ra pH Th	Date Repo	counte Data:	4-56 Alpha soin	ри СЭМ	
Sample No.	Hour	Sample Description	R	T	P	Count	Time	C/min	d/m/100cm ²	
P 072	1000	Smear 100cm on building located 60 ft.				7	15	0.34	0.81	
		from the fire. The smoke and fumes were								
		blown toward this building.								
P 073		Smear 100cm approx. 15 ft. from above				2	16	n.d.	n.d.	
		location.								
P 074		Smear 100cm approx. 30 ft. from P 072.				3	15	0.07	0.17	
P 075		Smear 100cm approx, 45 ft, from P 072.				31/	15	0.07	0.17	
	 									
					 					
	 									

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OUT BLANT AIRDUST

Industrial Hygiene or Medical Dept.						Analytical Chemistry Section:			
I. H.#	Sample No	Date Collected 7/27/56 by	Brani- gan Rout	e toSt	efanec	Date Receive	d 8 -10 5	6 by Lab.	
Location North	folk Naval	Ease Type of Sample urine	Analyzed for F		Alpha	Date Reporte	d 8-18-	56 by Lab.	
Remarks Sam	ples were s	submitted by F. Branigan and H. Welc	h at U	хх	Beta))		Fluorimeter	
		after a demonstration of a uranium			Ra	l	·	Lab.	
the Pir	e Fighters	School for AFC contractors.	O	il	pН	Counting Dat	a:	7	
			B		Th	BKGD		GEO	
				T	1-0-				
Sample No.	Hour	Sample Description	R	<u> </u>	P			mg/l	
1	7/24/56 1000	Homer Welch		<u> </u>	ļ			.004	
2 HW	7/26/56	12 11						003	
3 IIW	7/27/56 1500	11						•007	
<u> </u>	1500								
	7/24/56				1				
4 FB	7/26/56	Frank Branigan		 -	1			2002	
5 FB	1000 7/27/56	11 11			 -	 		.005	
6 FB	1530	11 17		<u> </u>				not enough	
								sa mple	
					-				
					 				
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7833 VA.5-3



Department of Energy

Washington, DC 20545

JUN 18 1990

Commander, Naval Base ATTN: Ms. Cheryl Barnett Building N-26 Code N 9 E Norfolk, Virginia 23511-6002

Dear Ms. Barnett:

I enjoyed speaking with you on the phone. The Department of Energy (DOE) has established its Formerly Utilized Sites Remedial Action Program (FUSRAP) to identify sites formerly utilized by its predecessor agencies in the early days of the nation's atomic energy program and to determine the potential for these sites to contain radiological contamination, related to DOE's past activities, which may require remedial action. When necessary, radiological surveys of individual sites are performed to provide the data necessary to make this necessary determination.

As we discussed, in July 1956, the Atomic Energy Commission (a DOE predecessor) or its contractors conducted a fire training demonstration of uranium fire fighting techniques at the Fire Fighters School of the Norfolk Naval Station. The only records of this activity are three "Analytical Data Sheets" from DOE's Fernald, Ohio, facility. A copy of these health and safety monitoring reports are enclosed.

Based on these records, we are uncertain whether a radiological survey at the Fire Fighters School is needed. However, the Navy may have records or evidence of other uranium fire demonstrations that may indicate the need of a survey. The purpose of this letter is to transmit the available records to you for your information, to notify you of this past activity at the Fire Fighters School, and to request any Navy records that might be pertinent to our evaluation.

I will be happy to discuss this subject with you further. You may reach me at 301-353-5243.

Sincerely,

151

W. Alexander Williams, PhD
Designation and Certification Manager
Off-Site Branch
Eastern Area Program Division
Office of Environmental Restoration

Enclosure

bcc: OTS

EM-40 (2) EM-42 reader Williams reader

EM-421:WWilliams:cn:353-5243:Barnett.l

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